TRMD 6050 Medical Helmithology

Professor: Susan McLellan, MD

Credits: 2

Semester(s) offered: Fall

Course Description:

The study of parasitic worms with special reference to those causing human disease. In lecture and laboratory, the student is acquainted with the different groups of helminths, their zoological classification, structural characteristics, life cycles, geographic distribution, methods of transmission, reservoir hosts, location, and tissue damage produced in the human body; host's immunologic responses; laboratory diagnosis and methods of treatment and control.
Learning objectives:

in the course, the student should be able to:

- Recognize the correct taxonomic, zoologic, and phylogenetic relationships of the organism
- Identify important morphologic and structural characteristics
- Describe the typical life cycle and geographic distribution
- Identify risk factors for acquisition of infection
- Predict the most common pathologies seen with each of these helminthes and their impact on public health
- Devise a reasonable diagnostic strategy to determine if a patient is infected by these helminths
- Discuss appropriate therapeutic measures for individual disease states
- Recommend appropriate control measures to reduce incidence of disease in the population

As the lectures are organized by organism, each lecture will address each objective for the specific organism.